

34704-991

03/30/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

34704-991

Date of Issuance:

MAR 30 2009

NOTICE OF PESTICIDE:

Registration
Reregistration (under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

AGSCO 400 Herbicide

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

- 1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following revisions to the final printed labeling:
a. The footnote "Contains Petroleum Distillates" must be added to the ingredient statement per the product chemistry and acute toxicity reviews.
b. The signal word currently on the label "WARNING" and the accompanying Spanish signal word "AVISO" must be deleted and replaced with the word "CAUTION."
c. As specified by the acute toxicity review, a phone number for emergency medical treatment information must be added to the First Aid text box on the label.

Continued on Page 2

Signature of Approving Official:

Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505P)

Handwritten signature of Joanne I. Miller

Date:

MAR 30 2009

- d. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:
“CAUTION
Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.”
- e. Per the 9/1/04 amendment to WPS, gloves are not required for pilots; therefore, the PPE glove statement must be revised to read:
“chemical-resistant gloves (except for pilots).”
- Note: Protective eyewear is not required per the acute toxicity review or the RED, but may remain on the label.
- f. Per the 2,4-D RED, the text in **bold type** below must be added to the following User Safety Requirements:
“...If no such instructions for washables **exist**, use detergent and hot water...”
- g. The mechanical transfer engineering control text is no longer needed and may be removed from the label. However, the pilot engineering control text must remain.
- h. Per the 2,4-D RED, the text in **bold type** below must be added to the following User Safety Recommendations text:
“User should remove clothing/**PPE** immediately if pesticide gets inside.”
- i. The first sentence of the Environmental Hazards section must be revised to read:
“This pesticide is toxic to fish and aquatic invertebrates.”
- j. Protective eyewear is not required for 2,4-D ester products and may be deleted from the early-entry PPE requirements in the Agricultural Use Requirements box.
- k. Per the 2,4-D RED, the text below must be added to the spray drift section:
“2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.”
- l. In the ‘Application Timing and Use Rates’ table for soybeans, add the following text below the “Maximum Rate (per acre)” heading:
“Choose only 1 option”
- m. Throughout the warranty statement, replace the **bold text** “...to the extent **allowed by** applicable law...” and “to the extent **required by** applicable law...” with the following:
“...to the extent **consistent with** applicable law...”

n. Add the following statements to the labeling:

“Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01- 0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.”

o. Assure that any/all supplemental labeling is consistent with these label revisions (comments a – n).

3. A stamped copy of your labeling is enclosed for your records. Submit one copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

4/15

ACCEPTED
with COMMENTS
in EPA Letter Dated

AGSCO 400 HERBICIDE

MAR 30 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

A LOW VOLATILE FORMULATION

34704-991

ACTIVE INGREDIENT:

2-ethylhexyl ester of 2,4-dichlorophenoxyacetic acid* 71.26%

INERT INGREDIENTS: 28.74%

TOTAL..... 100.00%

*2,4-dichlorophenoxyacetic acid equivalent 46.6%. Contains 4 pounds acid equivalent per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	

See side panel for additional precautionary statements.

EPA Reg. No. 34704-991

EPA Est. No. _____

Manufactured For:
LOVELAND PRODUCTS, INC.
P.O. Box 1286
Greeley, CO 80632-1286

Net Contents
2 1/2 Gallons

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Causes skin irritation. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants,
- chemical-resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate,
- shoes plus socks,
- protective eyewear, and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

If this container contains over 1 gallon and less than 5 gallons, mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

ENGINEERING CONTROLS STATEMENTS

If this container contains 5 gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. When handlers use enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high mark. Drift and runoff may be hazardous to aquatic invertebrates in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Excessive amounts of this product in soil may temporarily inhibit seed

germination or plant growth. Do not apply when weather conditions favor drift from target area as this product may injure cotton, beans, other vegetables, certain legumes and ornamentals.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed system for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE

Do not store near fertilizer, other pesticides or seeds. Store at a temperature above 0 degrees Fahrenheit. If allowed to freeze, remix before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Follow the instructions for your container size and type in the following table:

CONTAINER SIZE	FOLLOW INSTRUCTION IN SECTIONS
<i>Disposable containers: 1 qt. to 5 gal.</i>	<i>A and B</i>
<i>Disposable containers: 5 gal. to 56 gal.</i>	<i>A and C</i>
<i>Disposable containers: larger than 56 gal.</i>	<i>A and D</i>
<i>Returnable containers (any size)</i>	<i>E</i>

- A. **Nonrefillable container:** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.
(For packages up to 5 gallons:) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
- B. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
- C. **(For packages greater than 5 gallons and less than 56 gallons:) Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
- D. **(For packages greater than 56 gallons:)** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
- E. **(For refillable containers:)** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump

for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Text in Blue and Italic are to differentiate text for different container sizes. Text will not be printed)

USE PRECAUTIONS

Avoid use of small diameter spray nozzles. Avoid spray drifts onto susceptible plants such as vegetables, flowers, tomatoes, beans, sugarbeets, sunflowers and other legumes. Coarse sprays are less likely to drift. Do not spray at all in the vicinity near susceptible plants to prevent any vapor drift. Local conditions may affect the use of herbicides. State agricultural authorities in many states issue recommendations to fit local conditions. Be sure that the use of this product conforms to all applicable conditions.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for non-target species, non-target crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if:

- a) conditions of temperature inversion exist, or
- b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Use of this product controls the following weeds: **Mustard, Frenchweed, Arrowhead, Cocklebur, Dandelion, Gumweed, Marsh Elder, Hedge Bindweed, Pigweed, Ragweed, Wild Buckwheat, Plantain, and other broadleaf weeds.**

CORN:

Use 2 or more gallons of water per acre in aerial equipment and 10 or more gallons of water per acre in ground equipment unless indicated otherwise under the specific crop directions. Use lower rates of product for easily killed weeds, on inbreds, and when corn is growing rapidly. Do not cultivate for about 2 weeks after treatment while corn is brittle.

Preplant: 1 to 2 pints. To control emerged broadleaf weed seedlings or existing cover crops prior to planting corn, apply 7 to 14 days before planting. Do not use on light, sandy soil, or where soil moisture is inadequate for normal weed growth. Use high rate for control of less susceptible weeds or cover crops such as alfalfa.

Preemergent (average conditions): 2 pints. Apply product to emerged weeds from 3 to 5 days after planting but before corn emerges. Do not use on very light, sandy soils. Use the higher rates on heavy soils. Plant corn as deep as practical. Product will not control weeds that have not emerged.

Postemergent: Use 1/2 to 1 pint of herbicide per acre in 5 gallons of water. Make application following emergence of majority weeds but before weeds have damaged the corn. Postemergence application of this herbicide should be made after emergence but before tasseling. Do not apply from tasseling to dough stage. Use drop nozzles when corn is over 8 inches high. Strains and varieties of corn vary in their tolerance to 2,4-D and particular care should be exercised in using ester formulations. Do not forage or feed corn fodder for seven days following application.

Restrictions and Limitations for Field Corn and Popcorn:

- Do not use treated crop as fodder for 7 days following application.
- The preharvest interval (PHI) is 7 days.
- Maximum of 6 pts. (3 lbs. ae) per acre per crop cycle.
- Preplant or preemergence:
 - Limited to one preplant or preemergence application per crop cycle.
 - Maximum of 2 pts (1 lb. ae) per acre per application.
- Postemergence:
 - Limited to one postemergence application per crop cycle.
 - Maximum of 1 pt. (1/2 lb. ae) per acre per application.

Restrictions and Limitations for Sweet Corn:

- Do not use treated crop as fodder for 7 days following application.
- The preharvest interval (PHI) is 45 days.
- Minimum of 21 days between applications.
- Maximum of 3 pts. (1.5 lbs. ae) per acre per crop cycle.
- Preplant or preemergence:
Limited to one preplant or preemergence application per crop cycle.
Maximum of 2 pts (1 lb. ae) per acre per application.
- Postemergence:
Limited to one postemergence application per crop cycle.
Maximum of 1 pt. (1/2 lb. ae) per acre per application.

GRASSES IN CONSERVATION RESERVE PROGRAM AREAS: To control annual broadleaf weeds, apply when weeds are actively growing. Use 1/2 to 1 pint per acre when weeds are small; use higher rates on older weeds. Excessive injury may result if applied to young grasses with fewer than 6 leaves or prior to grasses being well established. To control biennial and perennial broadleaf weeds in established grasses, apply at a rate of 2 to 4 pints per acre. Apply to actively growing weeds. Treat when biennial weeds are in the seedling to rosette stage and before flower stalks become apparent. Treat perennial weeds in the bud to bloom stage. NOTE: Use at least 2 gallons of water per acre by air and 5 gallons of water per acre by ground. Do not apply to grasses in the boot to dough stage if grass seed production is desired.

Restrictions and Limitations for Grasses in Conservation Reserve Program Areas:

- The preharvest interval (PHI) is 7 days (cut forage for hay)..
- Postemergence:
Limited to 2 applications per year.
Maximum of 4 pints (2 lbs. ae) per acre per application.
Minimum of 30 days between applications.
- If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.
- For program lands, such as Conservation Reserve Program, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed.

PASTURES AND RANGELAND (established grass pastures, rangeland, and perennial grasslands not in agricultural production): The rates of application for pastures and rangelands are per acre per application per site. Use 1 to 4 pints of product in sufficient water to give good coverage to one acre depending on type of weeds and stage of growth. Use only on established stands of perennial grasses. Do not use on bentgrass, alfalfa, clover or other legumes. Do not use on newly seeded areas until grass is well established. Do not use from early boot to milk stage when grass seed production is desired.

Bitterweed, Broomweed, Croton, Docks, Kochia, Marshelder, Musk Thistle and Other Broadleaf Weeds:

Use 4 pints of this product in 1 to 30 gallons of water per acre. If weeds are young and growing actively, 2 pints per acre will provide control of some species. Deep-rooted perennial weeds may require repeated treatments in the same year or in subsequent years.

Weed Control in Newly Sprigged Coastal Bermudagrass: Apply 2 to 4 pints of this product in 20 to 100 gallons of water per acre preemergence and/or postemergence.

Wild Garlic and Wild Onion Control: Apply 4 pints of product per acre making three applications, Fall-Spring-Fall or Spring-Fall-Spring, starting in the late Fall or early Spring.

Restrictions and Limitations for Pastures and Rangeland:

- Do not cut forage for hay within 7 days of application.
- Postemergence:
For susceptible annual and biennial broadleaf weeds, use 2 pints (1 lb. ae) per acre per application.
For moderately susceptible biennial and perennial broadleaf weeds, use 2 to 4 pints (1 to 2 lbs. ae) per acre per application.

For difficult-to-control weeds and woody plants, use 4 pints (2 lbs. ae) per acre per application.

Spot treatment: Use 4 pints (2 lbs. ae) per acre.

Maximum of two applications per year.

Maximum of 8 pints (4 lbs. ae) per acre per year.

Minimum of 30 days between applications.

If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Sandard are applicable.

RED POTATOES: Use 1/8 pint of this herbicide per acre in 5-25 gallons of water by ground or aerial application. To intensify red color and improve skin appearance, apply when potatoes are in pre-bud stage (7-10 inches high); second application 10-14 days later.

Restrictions and Limitations for Red Potatoes:

- Only for use on potatoes intended for fresh market.
- The preharvest interval (PHI) is 45 days.
- Postemergence:
 - Limited to 2 applications per crop cycle.
 - Maximum of 2.24 fl. oz. (0.07 lb. ae) per acre per application.
 - Minimum of 10 days between applications.

SOYBEANS: (PREPLANT ONLY): AGSCO 400 Herbicide is an herbicide that provides control of many emerged susceptible annual and perennial broadleaf weeds. It may be applied prior to planting soybeans to provide foliar burndown control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. This product should only be applied preplant to soybeans in situations such as reduced tillage production systems, where emerged weeds are present. Apply only according to the application instructions given below. Do not use any tillage operations between application of AGSCO 400 Herbicide and planting soybeans.

MIXING INSTRUCTIONS: Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of 2,4-D on certain weeds and may be added to the spray tank. Read and follow all directions on this label and on all labels of adjuvants or fertilizers mixed with this product.

APPLICATION PROCEDURES: Apply using air or ground equipment in sufficient gallonage to obtain adequate coverage of weeds. Use 2 or more gallons of water per acre in aerial equipment and 10 or more gallons of water per acre in ground equipment.

APPLICATION TIMING AND USE RATES:

2,4-D Formulation Used	Maximum Rate (per acre)	When to Apply (Days prior to planting soybeans)
AGSCO 400 Herbicide	1 pint (0.5 lb. a.e./acre) 2 pints (1.0 lb. a.e./acre)	NOT LESS THAN 7 DAYS NOT LESS THAN 30 DAYS

WEEDS CONTROLLED: Alfalfa*, Bindweed*, Bittercress-smallflowered, Bullnettle, Buttercup-smallflowered, Carolina geranium, Cinquefoil-common and rough, Clover-red*, Cocklebur-common, Dandelion*, Eveningprimrose-cutleaf, Garlic-wild*, Horseweed or mare's tail, Ironweed, Lambsquarters-common, Lettuce-prickly, Morningglory-annual, Mousetail, Mustard-wild, Onion-wild*, Pennycress-field, Peppergrass*, Purslane-common, Ragweed-common, Ragweed-giant, Shepherdspurse, Smartweed-Pennsylvania*, Sowthistle-annual, Speedwell, Thistle-Canada*, Thistle-bull, Velvetleaf, Vetch-hairy*, and Virginia copperleaf.

*These species are only partially controlled.

For best weed control at time of treatment, weeds should be small, actively growing and free of stress caused by extremes in climatic conditions, diseases, or insect damage. The response of individual weed species to AGSCO 400 Herbicide is variable. Consult your local county or State Agricultural Extension Service or crop consultant for advice.

Restrictions and Limitations for Soybeans:

Important Notice - Unacceptable injury to soybean planted fields treated with this product may occur. Whether or not soybean injury occurs and the extent of the injury will depend on weather (temperature and rainfall) from herbicide applications until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present.

- Do not use on low organic sandy soil (< 1.0%).
- In fields treated with AGSCO 400 Herbicide, plant soybean seed as deep as practical or at least 1.0 inch deep. Adjust the planter, if necessary, to ensure that planted seed is completely covered.
- Do not apply prior to planting soybeans, if you are not prepared to accept the results of soybean injury, including possible loss of stand and yield.
- Do not replant fields treated with AGSCO 400 Herbicide in the same growing season with crops other than those labeled for 2,4-D use.
- The maximum rate per crop cycle is 2 pints (1 lb. ae) per acre.
- Preplant:
Limited to 2 preplant applications per crop cycle.
Maximum of 1 pint (1/2 lbs. ae) per acre per preplant application.
Apply not less than 7 days prior to planting soybeans.

OR

- Preplant:
Limited to 1 application per crop cycle.
Maximum of 2 pints (1 lb. ae) per preplant application.
Apply not less than 30 days prior to planting soybeans.

WHEAT, BARLEY, RYE: Use 1/2 to 1 pint of this herbicide per acre in enough spray volume to provide uniform coverage of weeds, usually 5 to 20 gallons per acre by ground equipment and 3 to 5 gallons by aircraft. Make application only between stouling and joint stages. **Preharvest Treatment** - Apply 1 pint per acre when grains are in the hard dough stage to control large weeds that may interfere with harvest. Best results will be obtained when soil moisture is sufficient to cause succulent weed growth.

Restrictions and Limitations for Wheat, Barley, and Rye:

- The preharvest interval (PHI) is 14 days.
- Postemergence:
Limited to one postemergence application per crop cycle.
Maximum of 2 1/2 pints (1 1/4 lbs. ae) per acre per application.
- Preharvest:
Limited to one preharvest application per crop cycle.
Maximum of 1 pint (1/2 lb. ae) per acre per application.
- Limited to 3 1/2 pints (1 3/4 lbs. ae) per acre per crop cycle.

FALLOWLAND (crop stubble on idle land, or postharvest to crops, or between crops): Apply 1 to 2 pints per acre for control of annual and biennial broadleaf weeds. Use the higher rate on older drought stressed plants or hard-to-kill species. Apply 2 to 4 pints per acre for control of perennial broadleaf weeds or 4 pints for

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control of wild onion and wild garlic. Spray weeds in the bud to bloom stage or in good vegetative growth. Do not plant treated fallow land for three months or until chemical has disappeared from soil.

Restrictions and Limitations for Fallowland:

- Plant only labeled crops within 29 days following application.
- Limited to 2 applications per year.
- Maximum of 4 pints (2 lbs. ae) per acre per application.
- Minimum of 30 days between applications.

NON-CROPLAND (Fencerows, hedgerows, roadsides, ditches, rights-of-way, utility power lines, railroads, airports, and industrial sites): In areas such as highway rights-of-way and fencerows, use 1 1/2 to 3 pints of this herbicide per acre in 5 gallons of water by ground applicator. In the control of plants such as willow and poison oak, it is necessary to have thorough coverage. Certain weeds and woody plants will form new growth after treatment and a second application may be necessary.

Restrictions and Limitations for Non-Cropland:

- Postemergence (annual and perennial weeds):
Limited to 2 applications per year.
Maximum of 4 pints (2 lbs. ae) per acre per application.
Minimum of 30 days between applications.
- Postemergence (woody plants):
Limited to 1 application per year.
Maximum of 8 pints (4 lbs. ae) per acre per year.
- Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

SPOT TREATMENT: To control broadleaf weeds in small non-cropland areas with a hand sprayer, use 1/4 pint in 3 gallons of water and spray to thoroughly wet all weed foliage. Keep spray mixture agitated to prevent separation. Use 4 pints (2 lbs. ae) per acre.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD AS IS TO THE EXTENT ALLOWED BY APPLICABLE LAW. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND, TO THE EXTENT REQUIRED BY APPLICABLE LAW, WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, 7251 WEST 4TH STREET, GREELEY, CO 80634.

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE

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REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE 11
OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY
OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE
OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT
DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE
PRODUCT. TO THE EXTENT ALLOWED BY APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND
THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY
CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A
PENALTY.

NOTES TO THE FILE

12-31-92

Amend "Wheat, Barley, Rye," "Red Potatoes," update label.

7-6-93

Amend per PR Notice 93-7 (Worker Protection Standard).

9-15-93

Amend per Sept. 1, 1993 "Additional Guidance about WPS Labeling Revisions to 2,4-D Labels."

9-16-94

Amend to add Preharvest Treatment under wheat, barley, rye; use in crop residue management systems in soybeans; weed control in fallow land and corn stubble; and spot treatment.

2-20-95

Revised to add a referral statement to the front panel and to delete "For terrestrial uses" from the Environmental Hazards section per Agency letter dated 2-14-95.

12-8-95

Revised to add spigots for transferring product. Included "open pour" statement.

4-7-99

Deleted soybeans per telecon with Orval on April 4.

9-17-01

Revised first aid statement per PRN 2001-1.

1-3-02

Revised ai statement from IOE to 2-EHE.

1-9-04

Added Soybeans, CRP, Pastures and Rangeland, and amended Corn. Changed warranty.

10-7-05

Per the 2,4-D RED revised PPE, Eng. Controls, Env. Hazards, Ag Use Requirements, added a Non-Ag Use Req. box, added spray drift management. Corn: added volume of water to corn, reduced preemergent rate from 2-4 pts. to 2 pts., deleted emergent use, added restrictions for field, sweet, and pop corn, removed grazing restriction for CRP and added restrictions, Pastures and Rangeland: deleted grazing and slaughter restrictions, reduced rate from 4 to 4.2 pts. to 4 pts., and added restrictions, Red Potatoes: added restrictions, Soybeans: removed grazing restriction and added rate restrictions, Wheat, Barley and Rye: reduced preharvest rate to 1 pt. (from 1-2 pts.) and added restrictions, Fallowland: reduced the 6 pt. rate to 4 pts. and added restrictions, changed "Woody Plant Control in Non-Cropland" to "Non-Cropland" and added restrictions for weeds and woody plants. Also changed the Container Disposal per PRN 2007-4 and swapped AGSCO's disclaimer for Loveland's.

NOTE: AGSCO (ORVAL SWENSON) PREFERS 30-DAYS PRIOR TO PLANTING SOYBEANS INSTEAD OF EPA RECOMMENDED 15 DAYS WHEN THE 2 PT. RATE IS USED. THIS IS TO AVOID CHANCE OF INJURY TO BEANS.

6-16-08

Label changes made by EPA Letter dated Jun 9, 2008 include:

- Physical Chemical Hazards section has been deleted because EPA Review dated 3/17/08 by Shirley H. Kell does not require this section.
- Pesticide disposal, changes the text, "for later use of disposal", to "for later use or disposal". Clarified the disposal text that will be printed.
- Corrected the "ripple rinse instructions for containers < 5 gal and "container" in 5 - 56 gal containers.